

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A vascular implant comprising:

(a) a scaffold defining an interior volume, a first end, and an opposite second end; said scaffold having an exterior surface and an interior surface;

(i) said interior surface lining said interior volume; [[and]]

(b) a tubing in covering relation to said scaffold;

(i) said scaffold interior surface being completely covered by said tubing from said first end to said second end;

(A) said scaffold interior surface and said tubing defining a lumen;

and

(ii) said scaffold exterior surface being completely covered by said tubing from said first end to said second end, and

(c) a sleeve surrounding a portion of said tubing.

2. (Original) A vascular implant according to claim 1 wherein:

(a) said tubing comprises first and second ends and at least a first fold;

(i) said first fold covering said scaffold first end.

3. (Original) A vascular implant according to claim 2 wherein:

(a) said tubing first end is adjacent to and against said scaffold second end.

4. (Original) A vascular implant according to claim 3 wherein:

(a) said tubing includes a portion in extension away from said scaffold;

(i) said tubing second end forming an end of said extension remote from
said scaffold.

5. (Original) A vascular implant according to claim 4 wherein:

(a) said scaffold is L-shaped.

6. (Original) A vascular implant according to claim 2 wherein:

(a) said tubing includes a second fold;

(i) said second fold covering said scaffold second end.

7. (Original) A vascular implant according to claim 6 wherein:

(a) said tubing first end and said tubing second end meet on said exterior surface
of said scaffold to form a joint.

8. (Original) A vascular implant according to claim 7 wherein:

(a) said scaffold comprises a straight, unbent tube.

9. (Original) A vascular implant according to claim 7 wherein:

(a) said joint is at about a midpoint between said scaffold first end and said
scaffold second end.

10. (Currently Amended) A vascular implant according to claim 7 ~~further including~~
wherein:

(a) ~~[[a]]~~ said sleeve circumscribing surrounds said joint; ~~said sleeve including a~~
~~tissue growth inducing substance.~~

11. (Original) A vascular implant according to claim 1 wherein:

(a) said tubing comprises expanded polytetrafluoroethylene.

12. (Original) A vascular implant according to claim 1 wherein:

(a) said scaffold comprises titanium or stainless steel.

13. (Original) A vascular implant according to claim 1 wherein:

(a) said scaffold comprises an impermeable tube.

14. (Original) A vascular implant according to claim 1 wherein:

(a) said scaffold comprises a permeable mesh.

15. (Currently Amended) A method of making a vascular implant; the method
comprising:

(a) providing a tubing having first and second ends;

(b) providing a scaffold having an exterior surface; an interior surface; an interior
volume; a scaffold first end; and an opposite scaffold second end;

(c) completely covering the scaffold interior surface from the scaffold first end to the scaffold second end with the tubing;

(i) the scaffold interior surface and the tubing defining a lumen; [[and]]

(d) completely covering the scaffold exterior surface from the scaffold first end to the scaffold second end with the tubing; and

(e) surrounding a portion of the tubing with a sleeve.

16. (Original) A method according to claim 15 further including:

(a) after said step of providing a scaffold, inserting the tubing through the interior volume of the scaffold; and

(b) folding the tubing over at least the first end of the scaffold from the interior surface of the scaffold to the exterior surface of the scaffold.

17. (Original) A method according to claim 16 further including:

(a) after said step of folding, securing the tubing to the scaffold.

18. (Original) A method according to claim 17 wherein:

(a) said step of securing includes securing the tubing first end adjacent to and against the scaffold second end on the exterior surface of the scaffold.

19. (Original) A method according to claim 18 wherein:

(a) said step of inserting the tubing includes inserting a only a portion of the tubing into the scaffold interior volume and leaving a remaining portion of the tubing in extension from the scaffold;

(i) the tubing second end forming an end of the remaining portion remote from the scaffold.

20. (Original) A method according to claim 19 wherein:

(a) said step of providing a scaffold includes providing an L-shaped scaffold.

21. (Original) A method according to claim 16 further including:

(a) after said step of folding the tubing over at least the first end of the scaffold, folding the tubing over the second end of the scaffold.

22. (Original) A method according to claim 21 further including:

(a) after said step of folding the tubing over the second end of the scaffold, joining the tubing first end and the tubing second end along a joint on the exterior surface of the scaffold.

23. (Original) A method according to claim 22 wherein:

(a) said step of joining include forming the joint at a portion about midway between the scaffold first end and the scaffold second end.

24. (Original) A method according to claim 15 further including:

(a) securing the tubing to the scaffold by bonding; the bonding including at least one of mechanical bond, chemical bond, and thermal bond.

25. (Currently Amended) A method for performing a coronary vessel bypass procedure for supplementing a flow of blood to a coronary vessel; the method comprising:

(a) forming a blood flow path from a heart chamber directly to the coronary vessel at a site in the vessel positioned between an obstruction in the vessel and tissue of the heart to be supplied with blood by the vessel;

(i) the step of forming including placing a conduit in a heart wall between the chamber and the vessel with a first end of the conduit protruding into the chamber and protruding beyond an interior surface of the heart wall; the conduit having a second end;

(A) the conduit including a tubing completely lining an interior surface of the conduit between the first and second ends, and completely lining an exterior surface of the conduit between the first and second ends;

(B) the conduit further including a sleeve surrounding a portion of the tubing.

26. (New) A vascular implant according to claim 1 wherein:

(a) said sleeve includes a tissue growth inducing substance.

27. (New) A method according to claim 22 wherein:

(a) said step of surrounding includes surrounding the joint with the sleeve.

28. (New) A method according to claim 15 wherein:

(a) the sleeve includes a tissue growth inducing substance.